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G3472 (80)	-----MAES-----DNESGGHTGNASGSN-----
G3473 (52)	-----MADS-----DNDSGGAHNGGKGS-----
G3474 (82)	-----MAES-----DNESGGHTGNASGSN-----
G3435 (48)	-----MPDS-----DNDSGGPSN-AGG-----
G3397 (92)	-----MPDS-----DNDSGGPSNYAGG-----
G3436 (50)	-----MPDS-----DNESGGPSN-A-----
G3398 (76)	-----MPDS-----DNESGGPSN-AG-----
G3475 (20)	-----MADS-----DNDSGGAHNAGKG-----
G3478 (86)	-----MADS-----DNDSGGAHNGGKG-----
G3476 (18)	-----MAES-----DNDSGGAQNAGNSGNL-----
G485 (6)	-----MADS-----DNDSGGHKDDGN-----
G482 (4)	-----MGDS-----DRDSGGQNGNNGNQ-----
OSC30077 (31)	MKSRKSYGHLLSPVGPPL-----DNESGEAAAAAGGCGSSAGYVVYGG
G3471 (24)	-----MSDAPPSP-----THESGGEQSPRGSS-----
G3477 (84)	-----MSDAPASP-----SHESGGEQSPRGSL-----
G3470 (26)	-----MSDAPASP-----SHESGGEQSPRGSL-----
G481 (2)	-----MADTPSSP-----AGD-GGESG-----
G1364 (8)	-----MAESQAKSP-----GGCGSHESGGDQSPR-----
G2345 (10)	-----MAESQTGG-----GGGSHESGGDQSPR-----
AP004366 (110)	-----MADA-----GHDESGSPRSGGVR-----
G3434 (78)	-----MADD-----GGSHEGSG-GGGGVR-----
G3394 (88)	-----MADGPGSPG-----GGGSHESGSPRGGGGGGG-----
G1781 (72)	-----MTEESPEEDHGSPGVAETNPSPSSKTNNNN-----
G1248 (70)	-----MAGNYHSFQNPPIPRYQNYNFGSSSSNHQHEHDLVV-----VVEDQ
G486 (111)	-----
G1821 (112)	-----MAEGSMRPP-----EFNQPNKTSNGGEE-----
Consensus (113)	M D GG

FIGURE 6A

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	DNA binding domain	Subunit interaction
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G3472 (80)	---EFGCREQDRFLPIANVSRIMKKALPANAKISKEAKETVQECVSEFISFIT-GEASD	
G3473 (52)	---EMS-PREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFHSPPGGLAG	
G3474 (82)	---ELSGCREQDRFLPIANVSRIMKKALPANAKISKEAKETVQECVSEFISFIT-GEASD	
G3435 (48)	---ELSSPREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G3397 (92)	---ELSSPREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G3436 (50)	---EFSSPREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G3398 (76)	---EYASAREQDRFLPIANVSRIMKRALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G3475 (20)	---SEMSPREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G3478 (86)	---SEMSPREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G3476 (18)	---SELSPREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G485 (6)	---ASTREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFIT-GEASD	
G482 (4)	---SSLSPREQDRFLPIANVSRIMKKALPANAKISKDAKETVQECVSEFISFVT-GEASD	
OSC30077 (31)	GGGDSPAKEQDRFLPIANVSRIMKRSLPANAKISKESKETVQECVSEFISFVT-GEASD	
G3471 (24)	---SG-AREQDRYLPIANISRIMKKALPPNGKIAKDAKDTMQECVSEFISFIT-SEASE	
G3477 (84)	---SGAAREQDRYLPIANISRIMKKALPPNGKIAKDAKDTMQECVSEFISFIT-SEASE	
G3470 (26)	---SGAAREQDRYLPIANISRIMKKALPPNGKIAKDAKDTMQECVSEFISFIT-SEASE	
G481 (2)	---GSVREQDRYLPIANISRIMKKALPPNGKIGKDAKDTVQECVSEFISFIT-SEASD	
G1364 (8)	---SLHVREQDRFLPIANISRIMKRGLPANGKIAKDAKEIVQECVSEFISFVT-SEASD	
G2345 (10)	---SLNVREQDRFLPIANISRIMKRGLPLNGKIAKDAKETMQECVSEFISFVT-SEASD	
AP004366 (110)	-----EQDRFLPIANISRIMKKAVPANGKIAKDAKETLQECVSEFISFVT-SEASD	
G3434 (78)	-----EQDRFLPIANISRIMKKAVPANGKIAKDAKETLQECVSEFISFVT-SEASD	
G3394 (88)	--GGGGLVREQDRFLPIANISRIMKKAIPANGKIAKDAKETVQECVSEFISFIT-SEASD	
G1781 (72)	-----NNKEQDRFLPIANVGRIMKKVLPGNGKISKDAKETVQECVSEFISFVT-GEASD	
G1248 (70)	QQEESMMVKEQDRLLPIANVGRIMKNILPANAKVSKEAKETMQECVSEFISFVT-GEASD	
G486 (111)	-----MTDEDRLLPIANVGRIMKQILPSNAKISKEAKQTVQECATEFISFVT-CEASE	
G1821 (112)	-----ECTVREQDRFMPPIANVIRIMRRILPAHAKISDDSKETIQECVSEYISFIT-GEANE	
Consensus (113)	EQDRFLPIANVSRIMK ALPANAKISKDAKETVQECVSEFISFIT GEASD	

FIGURE 6B

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G3472 (80)	KCQKEKRKTINGDDLLWAMTTTLGFFEEYVEPLKVYLHKYRELEGEKTTAMMG-----
G3473 (52)	ECQKEKRKTINGDDLLWAMTTTLGFFEEYVEPLKVYLHKYRELEGEKTTAMMG-----
G3474 (82)	KCQKEKRKTINGDDLLWAMTTTLGFFEDYVDP LKIY LHKYREMEGEKTTAMMG-----
G3435 (48)	KCQREKRKTINGDDLLWAMTTTLGFFEDYVEPLKHYLHKFFREIEGERAAAASAGASGSQQQ--
G3397 (92)	KCQREKRKTINGDDLLWAMTTTLGFFEDYVDP LKHYLHKFFREIEGERAAAASGTGAGTSAA--
G3436 (50)	KCQREKRKTINGDDLLWAMTTTLGFFEDYVEPLKLYLHKFFRELEGEKAATTSASSGPQPLH
G3398 (76)	KCQREKRKTINGDDLLWAMTTTLGFFEDYIDPLKLYLHKFFRELEGEKAIGAAGSGGGAASS
G3475 (20)	KCQREKRKTINGDDLLWAMTTTLGFFEDYVEPLKGYLQRFREMEGEKTVAAR-----
G3478 (86)	KCQREKRKTINGDDLLWAMTTTLGFFEDYVEPLKGYLQRFREMEGEKTVAAR-----
G3476 (18)	KCQREKRKTINGDDLLWAMTTTLGFFEEYVEPLKIY LQRFREMEGEKTVAAR-----
G485 (6)	KCQREKRKTINGDDLLWAMTTTLGFFEDYVEPLKVYLQKYREVEGEKTTTAGR-----
G482 (4)	KCQKEKRKTINGDDLLWAMTTTLGFFEDYVEPLKVYLQRFREIEGERTGLGRP-----
OSC30077 (31)	KCQREKRKTINGDDLLWAMTTTLGFEEYVGPLKSYLNRYREAEGEKADVLGGAGGAAARH
G3471 (24)	KCQKEKRKTINGDDLLWAMATLGFEDYIEPLKVYLARYREAEGDTKGSARS-----
G3477 (84)	KCQKEKRKTINGDDLLWAMATLGFEDYIEPLKVYLARYREAEGDTKGSARS-----
G3470 (26)	KCQKEKRKTINGDDLLWAMATLGFEDYIEPLKVYLARYREAEGDTKGSARS-----
G481 (2)	KCQKEKRKTVNGDDLLWAMATLGFEDYLEPLKIY LARYRELEGDNKGSGKS-----
G1364 (8)	KCQREKRKTINGDDLLWAMATLGFEDYMEPLKVYLMRYRE--GDTKGSAGK-----
G2345 (10)	KCQREKRKTINGDDLLWAMATLGFEDYIDPLKVYLMRYREMEGDTKSGKG-----
AP004366 (110)	KCQKEKRKTINGEDLLFAMGTLGFFEEYVDP LKIY LHKYREMEGDSKLSSKA-----
G3434 (78)	KCQKEKRKTINGDDLLWAMATLGFEEYVEPLKIY LQKYKEMEGDSKLSTKA-----
G3394 (88)	KCQREKRKTINGDDLLWAMATLGFEDYIEPLKVYLQKYREMEGDSKLSTAKA-----
G1781 (72)	KCQREKRKTINGDDIIWAIITTLGFEDYVAP LKVYLCKYRDTEGEKVNSPKQ-----
G1248 (70)	KCHKEKRKTVNGDDICWAMANLGFDYYAAQLKKYLHRYRVLEGEKPN-----
G486 (111)	KCHRENKTVNGDDIIWALSTLGLDNADAVGRHLLHKYREAERERTEHNKG-----
G1821 (112)	RCQREQRKTTAEDVLWAMSKLGFDYIEPLTLYLHRYRELEGERGVSCSAG-----
Consensus (113)	KCQREKRKTINGDDLLWAMTTTLGFEDY EPLKVYL YRE EGE

B domain

FIGURE 6C

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G3472	(80)	-----RPHERDEGYGH-----ATPMM-IMMGHQ-----
G3473	(52)	-----RPHERDEGYGH-----ATPMM-IMMGHQ-----
G3474	(82)	-----RPHERDEGYGHGH-----HATPMTMTMMGHQPQHGH-----
G3435	(48)	--QQQELPRGAANAAG-YAGYGAPG-----SG-GMMMMMMGQPMYGGSQPQ--
G3397	(92)	--STTPPQQHTANAAGGYAGYAAPG-----AGPGMMMMMMGQPMYGSPPP--
G3436	(50)	RETFSSSTHN--GAGGPVGGYMGGA-----GGSGMIMMMGQPMYGGSPPA-
G3398	(76)	GGSGSGSHHHQDASRNNGGYMYG-----GGGIMIMMMGQPMYG-SPPA-
G3475	(20)	--DKDAPPTNATNSAYESPAAAA-----PGGIMMHQGHVYG-----
G3478	(86)	--DKDAPPLTNATNSAYESANYAAAA-----AVPGGIMMHQGHVYG-----
G3476	(18)	--DSSK--DSASASSY-----HGHVYG-----
G485	(6)	--QDKEGGGGGAGSGGAPMYG-----GGMVTTMGHQFS-----
G482	(4)	--QTGGEVGEHQDVAVDGGGFYGGG-----GGMQYHQHHQFL-----
OSC30077	(31)	GEGCCGGGGGADGVVIDGHYPLAGGLSHSHGHQDQDGGDVGLMMGGDAGVGYNAG
G3471	(24)	--GDGSATPD-QVGLAGQNSQLVHQG-----SLNYIGLQVQP-----
G3477	(84)	--GDGSATPD-QVGLAGQNSQLVHQG-----SLNYIGLQVQP-----
G3470	(26)	--GDGSARPD-QVGLAGQNAQVQPQX-----SG-YAFNARP-----
G481	(2)	--GDGSNRDA-GGGVSGEEMPWS-----
G1364	(8)	--GDPNAKKDQSSQNGQFSQLAHQG-----PYGNSQ-----
G2345	(10)	--GESSAKRDGQPSQVSQFSQVPQQG-----SFSQGPYGNQSLRFGNSIEH
AP004366	(110)	--GDGSVKKDTIGPHSGASSSSAQG-----MVGAYTQGMGY-----
G3434	(78)	--GEGSVKKDAISPHGGTSSSSNQLV-----QHGVYNQGMGY-----
G3394	(88)	--GDGSVKKDVLGSHGGSSSSAQGMG-----QQAAYNQGMGY-----
G1781	(72)	--QQRQOQQQIQQQNHNNYQFQEQDQNNNN-----MSCTSYISHHPSFLPVDHQ-
G1248	(70)	-----HHGKG-----
G486	(111)	--SNDSGNEKE-----TNTRS-----
G1821	(112)	--SVSMTNGLVVKRPNGTMTYGAYG-----PVPGIHMAQYHYR-----

FIGURE 6D

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G3472	(80)	-----QQQHQG--HVGSGGTT-----TGSASSARTR-----
G3473	(52)	-----QQQHQG--HVGSGGTT-----TGSASSARTR-----
G3474	(82)	-----QHQHQHQG--HVGSG-----GSASSARTR-----
G3435	(48)	--QQPPQPQQQQQHQQHHMAMGGRGGFGQQ--GGGGSSSSSGLGRQDRA--
G3397	(92)	-----PPQQQQQQH--HHMAMGGRGGFGHHPGGGGSSSSSGHGRQNRGA--
G3436	(50)	--ASSG-----SYPHH--QMAMGGKGGAYGYGGSSSSPS--GLGR--
G3398	(76)	--SSAGYAQPPPHHHH--QVMGGKG-AYGHGGGGGGPSSSGYGRQDRL--
G3475	(20)	-----SAGFH--QVAGGAIK-----GGPVYPGPGSNAGRPR-----
G3478	(86)	-----SAGFH--QVAGGAIK-----GGPAYPGPGSNAGRPR-----
G3476	(18)	-----SPAYH--HQVP-----GPTYAPG--RPR-----
G485	(6)	-----HHFS-----
G482	(4)	-----HQQNHMYGATGGGSDS-----GGGAASGRTR-----
OSC30077	(31)	AGSTTTAFYAPAAATAASGNKAYCGDGSVRMEFEGIGEEESGGGGGERGFAGHLHGV
G3471	(24)	-----QHLVMPMQSHE-----
G3477	(84)	-----QHLVMPMQSHE-----
G3470	(26)	-----
G481	(2)	-----
G1364	(8)	-----VTFPLFSSHSSN-----THH--SLLIC-----
G2345	(10)	LEVLMSSTRTLFITIFRDSTMPVVSLENLSDPLSIDMDCEAIYHHFIGLLILSCK-----
AP004366	(110)	-----MQQSNFHILVVLQSFAPFMYQVAQIYCKYPSIE-----
G3434	(78)	-----MQPQ-----YHNGET-----
G3394	(88)	-----MQPQ-----YHNGDVSN-----
G1781	(72)	-----PFPNIAFSPKSLQKQ-----FPQOHDNNIDSIHW-----
G1248	(70)	-----GPKSSP-----DN-----
G486	(111)	-----DVQNQSTK-----FIRVVEKGSSSSAR-----
G1821	(112)	-----HQNGFVFSGNPNKMSGSSSGASGARVEVFTQQHKY-----

FIGURE 6E

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+	G3472 (80)	-----
	G3473 (52)	-----
	G3474 (82)	-----
	G3435 (48)	-----
	G3397 (92)	-----
	G3436 (50)	-----
	G3398 (76)	-----
	G3475 (20)	-----
	G3478 (86)	-----
	G3476 (18)	-----
	G485 (6)	-----
	G482 (4)	-----
	OSC30077 (31)	QWFLKRNTN
	G3471 (24)	-----
	G3477 (84)	-----
	G3470 (26)	-----
	G481 (2)	-----
	G1364 (8)	-----
	G2345 (10)	-----
	AP004366 (110)	-----
	G3434 (78)	-----
	G3394 (88)	-----
	G1781 (72)	-----
	G1248 (70)	-----
	G486 (111)	-----
	G1821 (112)	-----

FIGURE 6F

+	G3472 (80)	-----
	G3473 (52)	-----
	G3474 (82)	-----
	G3435 (48)	-----
	G3397 (92)	-----
	G3436 (50)	-----
	G3398 (76)	-----
	G3475 (20)	-----
	G3478 (86)	-----
	G3476 (18)	-----
	G485 (6)	-----
	G482 (4)	-----
	OSC30077 (31)	QWFLKRNTN
	G3471 (24)	-----
	G3477 (84)	-----
	G3470 (26)	-----
	G481 (2)	-----
	G1364 (8)	-----
	G2345 (10)	-----
	AP004366 (110)	-----
	G3434 (78)	-----
	G3394 (88)	-----
	G1781 (72)	-----
	G1248 (70)	-----
	G486 (111)	-----
	G1821 (112)	-----

FIGURE 6F